

Annville-Cleona School District

Course: Integrated Math 2

Credit Hours: 1

Prerequisites: Integrated Math I

Instructor: Mr. Lamb

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Course Description: Number sense, Algebra, Geometry, statistics, and logic are presented as tools for investigating phenomena and exploring new math concepts. Each chapter has a theme, which is the focus of many application problems. Students will learn how to use mathematics as a tool for solving problems in their world.

Course Objectives:

Students will...

- Analyze data and apply it to real world situations.
- Review ideas covered in Algebra I and further explore the uses of equations, functions, and polynomials.
- Apply the laws of logic and Geometry in the real world.

Materials Needed:

Text—MathMatters 2 by Lynch, Olmstead, and De Forest-Davis, Glencoe/McGraw Hill, 2001.

Others—Pencil, calculator (TI-84 Plus Silver recommended, any TI-83, TI-84, or TI-nSpire (non-CAS) will work), and a three-ring binder to keep as a notebook.

Course Requirements: Students are to keep a tidy notebook of notes, problem sets, quizzes, tests, and other handouts that are provided as we progress through the course. Weekly quizzes based on the problem sets will be given to make sure students are mastering the content. Students will also work with others on problem set. The textbook should be read by the student.

Assessment/Grading Procedures: Marking period grades will be determined on a weighted scale. Chapter tests will account for 40% of the overall marking period grade, while quizzes will be 25%, homework (problem sets) 10%, class participation 5%, and other miscellaneous assignments will be 20%. There will be 2-3 tests and 4-8 quizzes per marking period. Problem sets will be checked for completeness. Class participation will be recorded in the gradebook weekly. In order to earn all points for class participation, you should have the following items with you **EVERY DAY:** Your textbook, notebook, calculator, and **PENCIL**. You will lose points if you are unprepared or are being disruptive, not taking notes, or late to class. Miscellaneous assignments are going to be items such as notebook quizzes, in-class or take home graded work, and projects. Quizzes and tests will not be handed back until everyone has completed them. Quizzes, tests, and projects are all ZAP-pable assignments.

Expectations (Attendance/Participation): Attendance and participation are both musts! Mathematics is not a spectator sport! Make sure you keep notes of different concepts that are covered. Definitions and examples on the board will be the bulk of notes, and any handouts should be kept as well in an organized binder. Any missed work *must* be made up the next day of class, either in class, during a study hall, or after school. Exceptions may be made for extended absences.

Additional Information: All assignments *must* be completed with a pencil. Any assignment turned in done in pen will suffer a 10% deduction of the original possible score. I will challenge you to learn math as best you can, and I will help you as much as I can. It is up to you as to how well you do. If you are determined to do well, then you will do so.